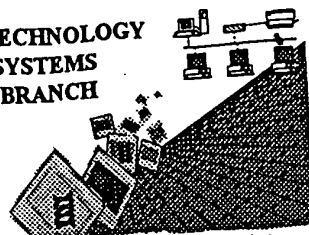


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/088,853
Source: PCT10
Date Processed by STIC: 4/8/02

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

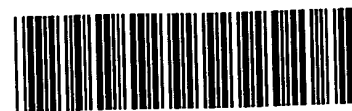
TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
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U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
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2011 South Clark Place, Arlington, VA 22202
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Revised 01/29/2002



Does Not Comply PCT10
Corrected Diskette Needed
Errors on pp 1, 2, 3, 4

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
 TIME: 15:19:39

Input Set : A:\EP.txt
 Output Set: N:\CRF3\04082002\J088853.raw

3 <110> APPLICANT: GSF-Forschungszentrum for Umwelt und Gesundheit
 4 Artemis Pharmaceuticals GmbH
 6 <120> TITLE OF INVENTION: Method for identifying MHC-restricted
 7 antigens
 9 <130> FILE REFERENCE: P12541
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/088,853
 C--> 12 <141> CURRENT FILING DATE: 2002-03-21
 14 <150> PRIOR APPLICATION NUMBER: DE-199 45 171.0
 15 <151> PRIOR FILING DATE: 1999-09-21
 17 <150> PRIOR APPLICATION NUMBER: DE-199 51 543.3
 18 <151> PRIOR FILING DATE: 1999-10-26
 20 <150> PRIOR APPLICATION NUMBER: DE-199 62 508.5
 21 <151> PRIOR FILING DATE: 1999-12-23
 23 <160> NUMBER OF SEQ ID NOS: 13
 25 <170> SOFTWARE: PatentIn Ver. 2.1
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 12
 29 <212> TYPE: RNA
 30 <213> ORGANISM: Influenza A virus
 32 <220> FEATURE:
 33 <221> NAME/KEY: misc_feature
 34 <222> LOCATION: (1)..(12)
 35 <223> OTHER INFORMATION: 3'-conserved region of wild type influenza virus
 37 <400> SEQUENCE: 1
 38 ccugcuuuug cu 12
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 12
 43 <212> TYPE: RNA
 44 <213> ORGANISM: Influenza B virus
 46 <220> FEATURE:
 47 <221> NAME/KEY: misc_feature
 48 <222> LOCATION: (1)..(12)
 49 <223> OTHER INFORMATION: 3'-conserved region of wild type influenza virus
 51 <400> SEQUENCE: 2 12
 W--> 52 nnygcuuucug cu
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 12
 57 <212> TYPE: RNA
 58 <213> ORGANISM: Influenza C virus
 60 <220> FEATURE:
 61 <221> NAME/KEY: misc_feature
 62 <222> LOCATION: (1)..(12)
 63 <223> OTHER INFORMATION: 3'-conserved region of wild type influenza virus

*must explain n - see ena
 summary sheet item 9*

RAW SEQUENCE LISTING

DATE: 04/08/2002
TIME: 15:19:39

PATENT APPLICATION: US/10/088,853

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088853.raw

65 <400> SEQUENCE: 3
66 ccugcuucug cu
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 13
71 <212> TYPE: RNA
72 <213> ORGANISM: Influenza A virus
74 <220> FEATURE:
75 <221> NAME/KEY: misc_feature
76 <222> LOCATION: (1)..(13)
77 <223> OTHER INFORMATION: 5'-conserved region of wild type influenza virus 13
79 <400> SEQUENCE: 4
80 aguagaaaca agg
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 13
85 <212> TYPE: RNA
86 <213> ORGANISM: Influenza B virus
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: (1)..(13)
91 <223> OTHER INFORMATION: 5'-conserved region of wild type influenza virus 13
93 <400> SEQUENCE: 5
W--> 94 aguagwaaca rnn
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 13
99 <212> TYPE: RNA
100 <213> ORGANISM: Influenza C virus
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (1)..(13)
105 <223> OTHER INFORMATION: 5'-conserved region of wild type influenza virus 13
107 <400> SEQUENCE: 6
108 agcaguagca agr
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 12
113 <212> TYPE: RNA
114 <213> ORGANISM: Influenza A virus
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (1)..(12)
119 <223> OTHER INFORMATION: 3'-terminal nucleotide sequence 12
121 <400> SEQUENCE: 7
122 ccugguucuc cu
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 12
127 <212> TYPE: RNA
128 <213> ORGANISM: Influenza A virus
130 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: (1)..(12)

same error

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
TIME: 15:19:39

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088853.raw

133 <223> OTHER INFORMATION: 3'-terminal nucleotide sequence 12
135 <400> SEQUENCE: 8
136 ccuguuucua cu
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 45
141 <212> TYPE: RNA
142 <213> ORGANISM: Influenza A virus
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature
146 <222> LOCATION: (17)..(22)
147 <223> OTHER INFORMATION: This U-stretch may comprise 5 to 6 U's.
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (23)..(30)
152 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
153 880 to 2300 nucleotides (= segment length of the
154 viral segments). *n can only represent a single residue, see error summary sheet item 5*
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Promoter-Up Variant 1104. 45
159 <400> SEQUENCE: 9
W--> 160 aguagaaaca aggnnnuuuu uunnnnnnnnn nnnccuguuu cuacu
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 45
165 <212> TYPE: RNA
166 <213> ORGANISM: Influenza A virus
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (17)..(22)
171 <223> OTHER INFORMATION: This U-stretch may comprise 5 to 6 U's.
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (23)..(30) *same error as above*
176 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
177 880 to 2300 nucleotides (= segment length of the
178 viral segments).
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Promoter-Up Variant 1920. 45
183 <400> SEQUENCE: 10
W--> 184 agaagaaaca aggnnnuuuu uunnnnnnnnn nnnccuguuu cuacu
187 <210> SEQ ID NO: 11
188 <211> LENGTH: 45
189 <212> TYPE: RNA
190 <213> ORGANISM: Influenza A virus
192 <220> FEATURE:
193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (17)..(22)
195 <223> OTHER INFORMATION: This U-stretch may comprise 5 to 6 U's.
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
TIME: 15:19:39

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088853.raw

199 <222> LOCATION: (23)..(30)
200 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
201 880 to 2300 nucleotides (= segment length of the
202 viral segments). *same error*
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Promoter-Up Variant 1948. 45
207 <400> SEQUENCE: 11
W--> 208 aguagaaaca aggnnnuuuu uunnnnnnnn nnnccugguu cuccu
211 <210> SEQ ID NO: 12
212 <211> LENGTH: 45
213 <212> TYPE: RNA
214 <213> ORGANISM: Influenza B virus
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (17)..(22)
219 <223> OTHER INFORMATION: This U-Stretch may comprise 5 to 6 U's.
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (23)..(30) *same*
224 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
225 880 to 2300 nucleotides (= segment length of the
226 viral segments). 45
228 <400> SEQUENCE: 12
W--> 229 aguagwaaca rnnnnnnuuuu uunnnnnnnn nnnnnyguuu cuacu
232 <210> SEQ ID NO: 13
233 <211> LENGTH: 44
234 <212> TYPE: RNA
235 <213> ORGANISM: Influenza C virus
237 <220> FEATURE:
238 <221> NAME/KEY: misc_feature
239 <222> LOCATION: (15)..(20)
240 <223> OTHER INFORMATION: This U-Stretch may comprise 5 to 6 U's.
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (21)..(30) *same*
245 <223> OTHER INFORMATION: These nucleotides (8 N's) represent
246 880 to 2300 nucleotides (= segment length of the
247 viral segments). 44
249 <400> SEQUENCE: 13
W--> 250 aguaguaaca agrguuuuuu nnnnnnnnnn ccccguauc uacu

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/088,853

DATE: 04/08/2002
TIME: 15:19:40

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088853.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13